

SYSTEM AND METHOD FOR CONVERTING LIGHT HYDROCARBONS INTO
HEAVIER HYDROCARBONS WITH A PLURALITY
OF SYNTHESIS GAS SUBSYSTEMS

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ABSTRACT OF THE DISCLOSURE

A system and method for converting normally gaseous, light hydrocarbons
into heavier, longer-chain hydrocarbons includes a turbine; a first synthesis gas
subsystem; a second synthesis gas subsystem that receives thermal energy from
the turbine and which preferably includes a steam reformer; and a synthesis
subsystem for receiving synthesis gas from the first synthesis gas subsystem and
the second synthesis gas subsystem and for producing the heavier hydrocarbons.
A method includes using a plurality of synthesis gas subsystems to prepare
synthesis gas for delivery to and conversion in a synthesis subsystem.

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